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A MINERAL INVESTMENT STIMULATION PROGRAM PROJECT FINAL REPORT ROAD ZONE GOLD PROJECT CAPE SPENCER, NEW BRUNSWICK N.T.S.: 21 H/4W

P.A. Tyler, B.Sc

Derry, Michener, Booth & Wahl

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A MINERAL INVESTMENT STIMULATION PROGRAM

PROJECT FINAL REPORT

ROAD ZONE GOLD PROJECT

CAPE SPENCER, NEW BRUNSWICK

N.T.S.: 21H/4W

PREPARED FOR MISPEC RESOURCES INC.

DERRY, MICHENER, BOOTH & WAHL

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SUMMARY

Mispec Resources Inc., under terms of an agreement with the Province of New Brunswick dated November 18, 1988, has been granted $35,000 from the Mineral Investment Stimulation Program to further investigate the Road Zone on their Cape Spencer property. This report discusses the results of that investigation.

A re-interpretation of pre-1988 data was completed by Derry, Michener, Booth & Wahl (DMBW), consultants retained by Mispec. It was concluded that the coherence and limits of the Road Zone had been sufficiently well-defined by the pre-1988 drilling. No further drilling was recommended within the limits of the area previously drilled.

Mispec management has decided to further test this zone to confirm the drill results and this would be most effectively achieved through stripping, systematic sampling and the collection of a bulk sample.

Down-dip the continuation of the Road Zone mineralization has been drill tested by Gordex as the Northeast Zone (possible reserves published of 300,000 tonnes at 0.26 oz. Au/ton uncut) indicating an increase in the grade of the Road Zone mineralization down-dip. The start of this could be seen in the deepest pre-1988 Mispec holes. Due to the restricted space between these holes and the property boundary, only one or two drill holes were recommended by DMBW.

The Road Zone horizon was projected to continue at depth beneath the Birches Area mineralization 300 m to the south. The Northeast/Road Zone mineralization is localized by a small fold structure and, on the basis of pre-1988 drill data, a similar fold was indicated beneath the Birches Area. A single hole to test for a possible extension of the Road Zone mineralization as a second parallel shoot, associated with this second fold, was recommended by DMBW. This intersected the Cape Spencer sediments beneath the overthrust granite, but these were only weakly altered and mineralized.

In total, seven holes (MR123, MR124 and MR144 to MR148) were drilled for a total of 1,015.7 m of drilling. The 1988 holes were stopped prior to intersecting the Lower Lens to preserve footage. Intersections to date on the Lower Lens have been low. The Lower Lens horizon, which near surface is offset to the northwest of the Upper Lens, remains untested beneath much of the deeper Road Zone drilling.

RÉSUMÉ

Au terme d'une entente avec la province du Nouveau-Brunswick datée du 18 novembre 1988, Mispec Resources Inc. s'est vu octroyer 35 000 $ du Programme de stimulation de l'investissement minier afin d'examiner plus en détail la zone Road située sur leur propriété du Cap Spencer. Le présent rapport discute les résultats de cette étude.

Une ré-interprétation des données antérieures à 1988 a été complétée par Derry, Michener, Booth & Wahl (DMBW), consultants retenus par Mispec. Il fut conclu que la cohésion et les limites de la zone Road avaient été suffisamment bien définies par le forage d'avant 1988. Aucun forage additionnel ne fut recommandé à l'intérieur des limites de la région précédemment forée.

La gestion de Mispec a décidé de poursuivre la vérification de cette zone afin de confirmer les résultats de forage et ceci sera le plus effectivement accompli par décapage, par échantillonnage systématique et par la cueillette d'un échantillon industriel.

En aval-pendage, le prolongement de la minéralisation de la zone Road a été vérifiée au moyen de forage par Gordex comme zone nord-est (réserves possibles publiées de 300 000 tonnes à 0,26 oz Au/tonne non-réduit) indiquant une augmentation dans la teneur de la minéralisation de la zone Road en aval-pendage. Le début de cette nouvelle zone pouvait être observé dans les trous les plus profonds forés par Mispec avant 1988. À cause de l'espace restreint entre ces trous et les frontières de la propriété, seulement un ou deux trous furent recommandés par DMBW.

L'horizon de la zone Road a été prolongé en profondeur sous la minéralisation de la région de Birches, 300 m plus au sud. La zone Road/nord-est est localisée par une petite structure de plis et, à partir des données de forage antérieures à 1988, un pli semblable a été indiqué sous la région de Birches. Un trou unique visant à vérifier le prolongement possible de la minéralisation de la zone Road comme deuxième colonne de richesse parallèle, associée à ce deuxième pli, fut recommandé par DMBW. Ce trou recoupa les sédiments du Cap Spencer sous le granite de chevauchement, mais ceux-ci n'étaient que faiblement altérés et minéralisés.

En tout, sept trous (MR123, MR124 et MR144 à 148) furent forés pour un total de 1 015,7 m de forage. Les trous de 1988 furent interrompus avant de recouper les lentilles inférieures afin de préserver le métrage. À ce jour, peu d'intersections ont été rencontrées dans les lentilles inférieures. L'horizon des lentilles inférieures, qui, près de la surface, est décalé vers le nord-ouest des lentilles supérieures, demeure invérifié sous la majorité des forages profonds de la zone Road.

INTRODUCTION

Mispec Resources Inc. was granted $35,000 on November 18, 1988 under the Mineral Investment Stimulation Program to further investigate the Road Zone gold mineralization on their Cape Spencer property located 15 km east of Saint John, New Brunswick (Figure 1).

RESULTS AND DISCUSSION

Derry, Michener, Booth & Wahl (DMBW), retained by Mispec Resources Inc., completed a re-interpretation of the existing Road Zone data, based on their experience gained whilst drilling the down-rake continuation of the Road Zone on the Gordex property to the southwest and referred to as the Northeast Zone (published possible reserves are 300,000 tonnes at 0.26 oz. Au/ton - uncut).

Results of this re-interpretation are summarized on plan (Figure 2) northwest-southeast cross sections (Figures 3 to 9) and northeast-southwest cross sections (Figures 10 to 15).

The mineralization is confined to a thrust slice, within the Millican Lake granite, of intensely sheared Cape Spencer sediments 100 m to 150 m in width. This thrust is interpreted as being of Caledonide age. The alteration and mineralization, however, appear to be localized by a later, parallel, gougey thrust zone within the sediment slice, thought to be of Variscan (Hercynian) age and related to Variscan movements along the adjacent Millican Lake fault. The strongest alteration and mineralization (upper lens) occurs centred approximately 20 m above this structure. The alteration and mineralization increases in coherence, intensity and width to depth, with a commensurate increase in pyrite and gold values.

This relationship between the younger thrust and the strongest mineralization continues down-dip onto the Gordex property with the Northeast Zone mineralization occupying an identical position 20 m above the late thrust.

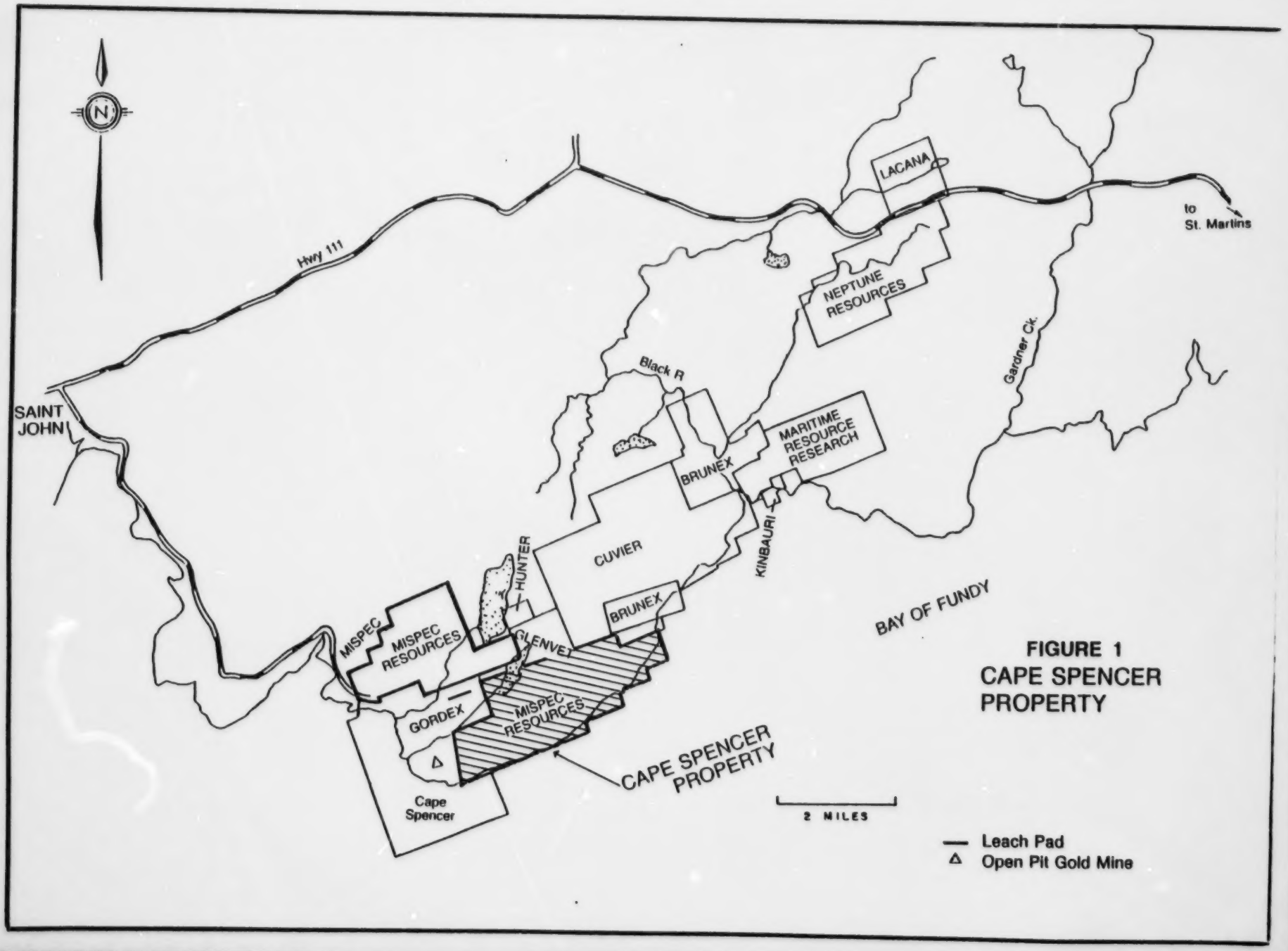

FIGURE 1
CAPE SPENCER PROPERTY

The alteration zone rakes at an angle of 45° to the strike of the thrust. At sub-outcrop it has a strike length of 60 m increasing to 200 m at the property boundary. The Northeast Zone is localized on the plane of the thrust by a disharmonic anticlinal fold of the hanging wall granite-sediment contact. The up-plunge continuation of this can be seen in outcrop on Figure 2.

The Road Zone alteration and mineralization forms a coherent zone with, in the opinion of DMBW, the limits and grade potential sufficiently well defined by work prior to 1988. The grades and coherence of the upper mineralized lens within the Road Zone can be seen to increase with depth where, given the limited tonnage potential down-rake on the Mispec property, only a limited program of diamond drilling was recommended. Five holes were drilled for a total of 682.8 m of drilling. MR-144 was sited by DMBW. The others, MR-145, -146, -147 and -148, were sited by Mispec Resources management.

MR-144 intersected the Cape Spencer sediments beneath the overthrust granite between 72 m and 148.7 m. The upper alteration lens, intersected between 73.4 m and 145.2 m, consisted of an almost total replacement of the purple sediments by sericite (illite) and quartz-carbonate veins. Above and below the sericitic alteration the sediments were intensely carbonatized. Trace to 2% disseminated coarse, cubic pyrite occurred within the sericitized zone between 106.1 m and 139.5 m. Associated with the pyrite were scattered gold values of up to 2.58 g Au/tonne (0.075 oz. Au/ton) over 1.0 m and the entire 22.8 m interval averaged 1.16 g Au/tonne (0.034 oz. Au/ton).

MR-145, sited by Mispec, was stopped at the property boundary within the Road Zone horizon. The hanging wall granite-sediment contact was intersected at 77.5 m. The alteration zone with disseminated pyrite was intersected between 77.5 m to 100 m at which depth the hole was stopped. The section between 90.0 m and 93.0 m assayed 2.85 g Au/tonne (0.084 oz. Au/ton).

MR-146 was spotted by Mispec at the site of an earlier hole, MR-119, which had been stopped within the hanging wall granite. The hanging wall granite-sediment contact was intersected at 61 m, the hole continuing in

sediments to the end of the hole at 145.7 m. The Road Zone alteration was intersected between 102 m and 136.2 m; however, the intensity of alteration was less overall than in MR-144 and MR-145. 1.59 g Au/tonne (0.046 oz. Au/ton) was intersected over 5.0 m between 117 m and 122 m. This included 4.01 g Au/tonne (.117 oz. Au/ton) over 1.0 m.

MR-147, sited by Mispec, was drilled at 60° parallel to the property boundary and cut the granite sediment contact at 69.5 m continuing in sediments to 112.2 m. The Road Zone alteration was intersected between 69.5 m and 90.2 m with a scatter of gold values up to 10.35 g Au/tonne (0.302 oz. Au/ton) over 1 m between 74.5 m and 75.5 m. The 20.7 m interval from 69.5 m to 90.2 m averaged 1.49 g Au/tonne (0.044 oz. Au/ton).

MR-148, sited by Mispec, intersected sediments from 113.3 m to 176.2 m. These contained a relatively narrow alteration zone between 150.6 m and 170.4 m with at best 1% pyrite over narrow sections. Gold values were low except for two isolated assays of 2.16 g Au/tonne (0.063 oz. Au/ton) over 1 m between 159.6 m and 160.6 m and 4.49 g Au/ton (.170 oz. Au/ton) over 1 m between 168.6 m and 169.6 m.

Road Zone intersections to date are summarized on Table 1.

The 1988 holes (MR-144 to MR-147) were stopped prior to intersecting the Lower Lens. Previous intersections of the Lower Lens have returned low values. The Lower Lens which, near surface, is offset to the northwest of the Upper Lens, has not been tested beneath much of the deeper Road Zone drilling.

Table 1

BEST GOLD ASSAYS AND INTERVALS

ROAD ZONE

Hole No.	Interval (Metres)	Width (Metres)	Gold Fire Assay Oz./Ton	Gold Fire Assay Gms./Tonne
MR-1	2.50 - 13.00	10.50	0.011	0.4
MR-3	14.00 - 20.60	6.60	0.023	0.8
	22.30 - 25.70	3.40	0.055	1.9
	46.00 - 51.00	5.00	0.010	0.4
MR-4	19.00 - 20.00	1.00	0.045	1.6
MR-5	12.00 - 13.00	1.00	0.025	0.8
MR-7	16.00 - 16.50	0.50	0.015	0.5
	23.00 - 23.70	0.70	0.010	0.4
MR-8	14.00 - 16.30	2.30	0.082	2.8
	20.00 - 24.00	4.00	0.024	0.8
	25.00 - 34.00	9.00	0.017	0.6
	37.00 - 39.00	2.00	0.010	0.4
	44.00 - 49.00	5.00	0.018	0.6
MR-10	5.00 - 6.00	1.00	0.100	3.4
	9.00 - 13.00	4.00	0.020	0.7
	18.00 - 19.00	1.00	0.020	0.7
	20.00 - 21.00	1.00	0.030	1.0
	23.00 - 26.00	3.00	0.013	0.4
	28.00 - 31.00	3.00	0.010	0.4
	34.00 - 45.00	11.00	0.015	0.5
	47.50 - 48.50	1.00	0.015	0.5
MR-12	15.00 - 16.00	1.00	0.048	1.6
MR-13	7.00 - 8.00	1.00	0.010	0.4
	16.00 - 16.50	0.50	0.010	0.4
MR-79	22.00 - 23.00	1.00	0.010	0.4
	37.40 - 38.10	0.70	0.038	1.3
MR-80	5.00 - 6.00	1.00	0.014	0.5
	22.00 - 24.00	2.00	0.011	0.4
	27.00 - 31.00	4.00	0.021	0.7
	32.00 - 32.50	0.50	0.027	0.9
	34.00 - 34.50	0.50	0.010	0.4
	35.50 - 36.00	0.50	0.014	0.5

Table 1
(Continued)

BEST GOLD ASSAYS AND INTERVALS

ROAD ZONE

Hole No.	Interval (Metres)			Width (Metres)	Gold Fire Assay Oz./Ton	Gold Fire Assay Gms./Tonne
MR-81	22.75	-	23.75	1.00	0.011	0.4
	53.00	-	55.00	2.00	0.015	0.5
MR-82	15.00	-	17.00	2.00	0.012	0.4
	19.00	-	20.00	1.00	0.027	0.9
	22.00	-	24.00	2.00	0.019	0.7
	32.00	-	34.00	2.00	0.022	0.8
	35.00	-	36.00	1.00	0.022	0.8
	38.00	-	40.00	2.00	0.012	0.4
	42.00	-	45.00	3.00	0.016	0.5
	53.00	-	69.00	16.00	0.016	0.5
MR-83	22.90	-	27.00	4.10	0.034	1.2
	30.00	-	38.00	8.00	0.016	0.5
	51.00	-	54.10	3.10	0.018	0.6
MR-84	27.00	-	30.00	3.00	0.010	0.4
MR-85	23.00	-	24.00	1.00	0.014	0.5
	34.00	-	35.00	1.00	0.011	0.04
MR-86	53.00	-	58.00	5.00	0.018	0.6
MR-87	24.00	-	28.00	4.00	0.020	0.7
	28.00	-	34.50	6.50	0.022	0.7
	34.50	-	40.00	5.50	0.248	8.5
	40.00	-	80.00	40.00	0.040	1.4
		OR				
(average	24.00	-	80.00	56.00	0.057	2.0)
	85.00	-	85.70	0.70	0.216	7.4
MR-88	12.80	-	20.40	7.60	0.019	0.7
	22.40	-	23.40	1.00	0.060	2.0
	80.00	-	81.00	1.00	0.012	0.4
	92.00	-	93.00	1.00	0.015	0.5
	94.00	-	96.00	2.00	0.018	0.6
	102.00	-	103.00	1.00	0.015	0.5

Table 1
(Continued)

BEST GOLD ASSAYS AND INTERVALS

ROAD ZONE

Hole No.	Interval (Metres)			Width (Metres)	Gold Fire Assay Oz./Ton	Gms./Tonne
MR-89	42.50	-	43.20	0.70	0.060	2.1
	44.80	-	45.30	0.50	0.017	0.6
	60.00	-	72.00	12.00	0.025	0.9
MR-90	31.00	-	37.00	6.00	0.021	0.7
	37.00	-	55.00	18.00	0.035	1.2
(average	31.00	-	55.00	24.00	0.031	1.1)
	60.00	-	61.30	1.30	0.074	2.5
MR-91	7.00	-	15.00	8.00	0.016	0.6
	17.00	-	19.40	2.40	0.013	0.4
	25.50	-	33.20	7.70	0.037	1.3
	51.00	-	55.00	4.00	0.011	0.4
	60.00	-	63.00	3.00	0.023	0.8
	68.00	-	70.00	2.00	0.012	0.4
MR-92	5.00	-	7.00	2.00	0.018	0.6
	10.00	-	13.00	3.00	0.011	0.4
	30.00	-	31.00	1.00	0.010	0.4
	32.00	-	33.00	1.00	0.010	0.4
MR-93	17.20	-	19.00	1.80	0.011	0.4
	34.00	-	35.00	1.00	0.010	0.4
	37.80	-	40.00	2.20	0.014	0.4
MR-95	50.00	-	51.00	1.00	0.015	0.5
MR-96	5.00	-	6.00	1.00	0.011	0.4
	10.00	-	11.00	1.00	0.013	0.4
	14.00	-	15.00	1.00	0.031	1.1
	18.00	-	22.50	4.50	0.016	0.4
MR-97	4.00	-	5.00	1.00	0.065	2.2
	20.40	-	22.00	1.60	0.019	0.6
	24.00	-	25.00	1.00	0.010	0.40
	37.50	-	38.50	1.00	0.014	0.5

Table 1
(Continued)

BEST GOLD ASSAYS AND INTERVALS

ROAD ZONE

Hole No.	Interval (Metres)			Width (Metres)	Gold Fire Assay	
					Oz./Ton	Gms./Tonne
MR-105	26.00	-	34.00	8.00	0.042	1.4
	37.00	-	48.00	11.00	0.027	0.9
	53.20	-	55.50	2.30	0.015	0.5
	56.30	-	57.00	0.70	0.036	1.2
	76.00	-	77.00	1.00	0.014	0.5
	88.00	-	89.00	1.00	0.012	0.4
	103.00	-	107.00	4.00	0.014	0.5
	111.00	-	113.00	2.00	0.013	0.4
	114.00	-	118.00	4.00	0.012	0.4
	125.00	-	126.00	1.00	0.010	0.4
MR-106	24.30	-	25.10	0.80	0.236	8.1
	26.50	-	39.00	12.50	0.018	0.6
	40.00	-	43.00	3.00	0.013	0.4
MR-107	36.30	-	58.00	21.70	0.034	1.2
	62.70	-	64.30	1.60	0.014	0.5
	68.80	-	71.00	2.20	0.025	0.9
	83.00	-	88.00	5.00	0.017	0.6
	98.00	-	99.00	1.00	0.019	0.4
	105.00	-	106.00	1.00	0.018	0.6
	112.00	-	127.00	15.00	0.015	0.5
	130.00	-	131.00	1.00	0.010	0.4
MR-108	41.00	-	47.00	6.00	0.017	0.6
	48.00	-	53.10	5.10	0.040	1.4
MR-109	39.80	-	62.00	22.20	0.029	1.0
	64.70	-	69.60	4.90	0.030	1.0
MR-110	4.00	-	5.00	1.00	0.038	1.3
	10.40	-	17.00	6.60	0.030	1.0
	19.00	-	20.00	1.00	0.012	0.4
	31.50	-	34.00	2.50	0.010	0.4
	42.00	-	46.00	4.00	0.018	0.6
	51.00	-	54.00	3.00	0.030	1.0
MR-112	26.00	-	27.00	1.00	0.014	0.5
	34.70	-	37.30	2.60	0.025	0.9
	46.00	-	49.00	3.00	0.015	0.5

Table 1
(Continued)

BEST GOLD ASSAYS AND INTERVALS

ROAD ZONE

Hole No.	Interval (Metres)	Width (Metres)	Gold Fire Assay	
			Oz./Ton	Gms./Tonne
MR-116	45.50 - 46.50	1.00	0.014	0.5
	54.00 - 61.00	7.00	0.031	1.1
	64.00 - 72.00	8.00	0.031	1.1
	74.00 - 83.00	9.00	0.021	0.7
	91.00 - 92.00	1.00	0.010	0.4
	94.00 - 99.40	5.40	0.018	0.6
	101.60 - 102.80	1.20	0.042	1.4
	110.00 - 111.00	1.00	0.026	0.9
	123.00 - 126.10	3.10	0.023	0.8
MR-118	70.00 - 85.00	15.00	0.030	1.00
(includes	77.00 - 78.00	1.00	0.148	5.10)
MR-121	22.00 - 38.00	16.00	0.039	1.30
(includes	32.00 - 33.00	1.00	0.162	5.50)
MR-144	106.1 - 139.5	22.80	0.034	1.16
(includes		1.00	0.075	2.58)
MR-145	81.5 - 93.0	6.30	0.057	1.98
MR-146	117.0 - 122.0	5.00	0.046	1.59
(includes		1.00	0.117	4.01)
MR-147	69.5 - 90.2	20.70	0.044	1.49
(includes		1.00	0.302	10.35)
MR-148	159.6 - 160.6	1.0	0.063	2.16
	168.6 - 169.6	1.0	0.130	4.49

In addition to one or two holes to test the down-rake potential, DMBW recommended drill testing of the Road Zone sediment thrust slice beneath the low grade, patchy Birches Area mineralization within the hanging wall granites, 300 m south of the Road Zone. Previous Birches Area drilling on Section 1+75E (Figure 14) had intersected the granite-sediment contact indicating the presence of another minor fold structure, possibly similar to that which localizes the Road Zone/Northeast Zone mineralization. MR-123 was sited on Section 2+00E at 3+00S to test the Road Zone horizon in the vicinity of this second fold (Figure 15).

The geometry of the minor folding, however, proved more complex than originally envisioned and MR-123 intersected the granite-sediment contact 70 m deeper than predicted, presumably to the south of the fold axis which must strike northwest-southeast at this point, rather than east-west as anticipated (Figure 2). MR-123 intersected the thrust slice of Cape Spencer sediments between 154.7 m and 176 m, the hole stopping within the footwall granite at 200.6 m. Although the sediments were sheared and carbonatized, no sericite-quartz vein alteration was present. The hanging wall granite was moderately to intensely sericitized to a depth of 66.3 m with occasional patches of disseminated pyrite. Best gold value in the granite was 0.19 g Au/ton.

Borehole logs for 1988 are appended to this report. Gold assays, using FA/AA, were done by Chemlab, St. John, New Brunswick, and Bondar Clegg, Ottawa, Ontario.

CONCLUSIONS AND RECOMMENDATIONS

The dimensions and limits of the Road Zone have, in our opinion, been well-defined by the work to date.

Mispec management has decided to further test this zone to confirm the drill results and this would be most effectively achieved through stripping, systematic sampling and the collection of a bulk sample.

Further drilling to test the possibility of a parallel shoot within the sediment slice beneath the Birches Area is warranted, especially considering the presence of a second similar gold shoot, the Pond Zone, along strike within the same thrust slice of sediments, 1,400 m to the northeast.

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CERTIFICATE OF QUALIFICATION

I, Peter A. Tyler, of 914 Vistula Drive, Pickering, Ontario, hereby certify that:-

1. I am an independent geologist retained by Derry, Michener, Booth & Wahl, Consulting Geologists and Engineers of Toronto.

2. I am a graduate of the University of Newcastle Upon Tyne in Honours Geology with the degree of B.Sc. in 1967.

3. I have been practising my profession since graduation.

4. I am a Fellow of the Geological Association of Canada.

5. I have not received, nor do I expect to receive, any interest, directly or indirectly, in Mispec Resources Inc.

6. This report, and the conclusions and recommendations made, are based on examination of all available data. I have visited the property.

7. I hereby consent to the use of this report in a Statement of Material Facts of the Company and for the preparation of a prospectus for submission to any Provincial regulatory authority.

P. A. Tyler, B.Sc., F.G.A.C.#F5229

Toronto, Ontario
February 24, 1989

APPENDIX 1

1988 BOREHOLE LOGS

MR123, 124, 144 to 148

SUMMARY PAGE

DERRY, MICHENER, BOOTH & WAHL
DIAMOND DRILL RECORD

CO-ORDS:	Grid #1 L2+00E, 3+00S			HOLE No.	MIS-101-MR-123
AZIMUTH:	N/A			PROPERTY:	Mispec Resources Inc.
DIP:	-90°	DRILL TYPE & SIZE:	NQ	LOCATION:	Cape Spencer
ELEVATION:	Approximately 116 m a.s.l.	DIP TESTS:	61m -90°	DATE STARTED:	October 12, 1988
			122m -90°	DATE COMPLETED:	October 15, 1988
LENGTH:	200.6m		183m -89°	LOGGED BY:	B.J. McKay
SECTION:	L2+00E Grid #1			DATE LOGGED:	October 14-16, 1988
PURPOSE:	To test for mineralization at depth				

METRES from	METRES to	SUMMARY
0	1.2	OVERBURDEN
1.2	154.7	BASEMENT COMPLEX 1.2 - 4.8 m - Granite 4.8 - 5.4 m - Mafic dyke 5.4 - 66.3 m - Granite 66.3 - 72.2 m - Mafic dyke 72.2 - 130.4 m - Granite 130.4 - 138.3 m - Mafic dyke 138.3 - 146.05 m - Granite 146.05 - 146.8 m - Mafic dyke 146.8 - 148.1 m - Granite 148.1 - 149.5 m - Mafic dyke 149.5 - 154.7 m - Granite
154.7	176.0	SEDIMENTS: CAPE SPENCER FORMATION 154.7 - 173.7 m - Shale 173.7 - 176.0 m - Conglomerate
176.0	200.6	BASEMENT COMPLEX 176.0 - 200.6 - Granite
200.6		END OF HOLE

SAMPLE No.	METRES from	METRES to	LENGTH

HOLE No.: MIS-101-MR-123

METRES from	METRES to	DESCRIPTION	SAMPLE No.	METRES from	METRES to	LENGTH (m)	Au g/t	Au g/t				
0	1.2	OVERBURDEN										
1.2	154.7	BASEMENT COMPLEX										
		1.2 - 4.8 m - Fine to medium grained, rusted, pitted granite.										
		4.8 - 5.4 m - Fine grained, buff, bleached dyke. Rusted fractures, scattered pyrite cubes.										
		5.4 - 66.3 m - Fine to medium grained, brown-green, light grey-green, moderately to intensely granite.										
		- Sericitic, carbonatized, silicified.										
		- Scattered quartz veins, up to 3" wide except as noted.										
		- Scattered rusted fractures.										
		- Trace to 3% pyrite, higher as noted.										
		5.4-12.9m - Veined section, 40-80% white quartz-carbonate with bleached sericitized granite fragments with 3-5% pyrite.	1023	7	8	1.0	0.05	0.06				
			1024	8	9	1.0	0.05					
			1025	9	10	1.0	0.02					
			1026	10	11	1.0	0.03					
		16.6-18.0m - Brecciated, veined section.	1027	11	12	1.0	0.03					
		- Sheared with minor gouge.	1028	12	13	1.0	0.11					
		- Tinted brownish-red.										
		23.9-24.0m - Fault with green and white sericitic gritty gouge.										
		26.5-27.4m - Similar to 16.6-18.0m.	1029	26.5	27.4	0.9	0.08					
		30.9-34.1m - Moderate-intensely sericitic, crudely foliated section.	1030	30	31	1.0	0.13					
			1031	31	32	1.0	0.17					
			1032	32	33	1.0	0.19					
		- Minor veining.	1033	33	34	1.0	0.10					
		- 3-5% cubic pyrite.	1034	34	35	1.0	0.13					

HOLE No.: MIS-101-MR-123

METRES from	METRES to	DESCRIPTION	SAMPLE No:	METRES from	METRES to	LENGTH (m)	Au g/t					
1.2 (continued)	154.7	35.5-37.7m - Orange-brown veined section - Medium to coarse grained wallrock fragments with "ghast" phenocrysts. - Scattered euhedral pyrite, less than ½".										
		37.7m - Contact, sharp, irregular.										
		37.7-43.3m - Very fine to fine grained green-brown, sericitic section. - 4-5% euhedral pyrite, locally aligned in discontinuous bands trending 45° to core axis.	1035 1036 1037	39 40 41	40 41 42.1	1.0 1.0 1.1	0.34 0.54 0.27					
		43.3-54.7m - Medium to coarse grained, pink, green, white section grading into blue-grey, white below 49m.	1038	48	49	1.0	0.07					
		- 10-20% quartz carbonate as fracture fillings. - Scattered pyrite.	1039	52	53	1.0	0.09					
		54.7m - Contact, sheared										
		54.7-66.3m - Fine grained in moderately to intensely altered green, yellow, orange, sericitic section. - Trace to 1% pyrite, concentrated in fractures from 63.4 to 66.3m.	1040	65	66	1.0	0.11					
		66.3 - Contact, sharp, irregular, trending 85° to core axis.										
		66.3 - 72.7 m - Fine to medium grained, dark blue-grey mafic dyke. - Numerous carbonate spots. - Scattered rusted hairline shear/fault seams with clayey gouge.										

HOLE No.: MIS-101-MR-123

METRES from	METRES to	DESCRIPTION	SAMPLE No.:	METRES from	METRES to	LENGTH (m)
1.2 (continued)	154.7	72.7 - 130.4 m - Medium to coarse grained, dark blue-grey, orange-green granite. - Occasional 1-8" white orange quartz carbonate vein. 91.0-93m - Numerous rusted fractures. 130.4 - 138.3 m - Fine grained, dark green, mafic dyke. - Numerous hairline quartz-carbonate (calcite) seams. - Effervescent - Magnetic - Contacts; sheared: upper, broken lower, with gouge at 40° to core axis. 138.3 - 146.05 m - Dark blue-grey, green, locally orange, granite. - Minor veining. - Scattered pyrite and hematite. 146.05 - 146.8 m - Mafic dyke. - Upper contact, sharp at 60° to core axis. - Lower contact, irregular. 146.8 - 148.1 m - Coarse pink, orange, silicified granite. 148.1 - 149.5 m - Three mafic dykes separated by two, 32 and 10 cm, intervals at chloritized granite. - This series of intrusive contacts vary from 35-70° to core axis.				

METRES from	METRES to	DESCRIPTION	SAMPLE No.:	METRES from	METRES to	LENGTH
1.2 (continued)	154.7	149.5 - 154.7 m - Green, blue-grey, greenish white, weakly to moderately sericitic granite. - Scattered hematite flakes, rusted. - Poorly developed foliation, trending 72° to core axis. 154.7 m - Major contact, gradual over 2cm, trending 65° to core axis.				
154.7	176.0	SEDIMENTS: CAPE SPENCER FORMATION 154.7 - 173.7 m - Shale - Fine grained, purple, locally well foliated, effervescent sediment. - Numerous quartz-calcite seams, locally boudined. - Minor brecciation and fracturing with quartz-calcite. - Locally sheared, major faulting as noted. - Locally crenulated and micro-faulted with fault planes subparallel to oblique to foliation. 159 m - Foliation at 64° 162 - 174.8 m - Zone of brecciation and major faulting. - Foliation disrupted with increasing clayey matrix with depth. 163-164.2 m - Rusted section, pitted 163.5 m - Foliation at 61° to core axis.				

HOLE No: MIS-101-MR-123

METRES from	METRES to	DESCRIPTION	SAMPLE No.:	METRES from	METRES to	LENGTH
154.7 (continued)	176.0	167.7-170.1 m - Major fault, locally 100% effervescent, grey, clayey gouge. - Minor vuggy quartz veining. 173 m - Foliation at 68° to core axis. 173.0 - 176.0 m - Conglomerate. - Fine grained, purple, shaly matrix with siliceous fragments up to 3cm in diameter. - Slight alignment of fragments. 176 m - Contact, sharp, trending 68° to core axis. - Minor gouge 8cm below contact.				
176.0	200.6	BASEMENT COMPLEX 176.0 - 179.0 m - Fine to medium grained, green, sericitic, schistose granite. - Moderate developed foliation - Minor irregualr quartz veining up to 2cm wide. 179.0 - 182.1 m - Moderately to intensely sheared and rusted granite. - Minor gouge with shears. - Scattered pyrite. 182.1 - 200.6 - Medium to coarse grained, white, green, pink, relatively unaltered granite - Locally fractured with sericitic filler.				
200.6		END OF HOLE - Casing pulled - 18 samples 1023-1040				

CO-ORDS: L4+00E, 3+00S

AZIMUTH: 315°

DIP: -63°

ELEVATION: approx. 108 m o.s.l.

LENGTH: 132.3 m

SECTION: L4+00, Grid #1

PURPOSE: To test for mineralized horizon

DERRY, MICHENER, BOOTH & WAHL
DIAMOND DRILL RECORD

HOLE No. MIS101-MR-124

PROPERTY: Mispec Resources

DRILL TYPE & SIZE: NQ

LOCATION: Grid #1, Cape Spencer

DIP TESTS: 61 m = 62°
132.3 m = 65°

DATE STARTED: October 16, 1988

DATE COMPLETED: October 17, 1988

LOGGED BY: B. J. McKay

DATE LOGGED: October 17-18, 1988

METRES from	METRES to	DESCRIPTION	SAMPLE No.	METRES from	METRES to	LENGTH
0	3.5	OVERBURDEN				
3.5	105.3	BASEMENT COMPLEX				
		3.5 - 38.1 Granite				
		38.1 - 45.2 Mafic Dyke				
		45.2 - 105.3 Granite				
105.3	129.1	SEDIMENTS - CAPE SPENCER FORMATION				
		105.3 - 113.3 Shale				
		113.3 - 114.0 Conglomerate				
		114.0 - 120.3 Shale				
		120.3 - 123.6 Conglomerate				
		123.6 - 129.1 Shale				
129.1	132.3	BASEMENT COMPLEX				
		129.1 - 130.3 Mafic Dyke				
		130.3 - 132.3 Granite				
132.3		End of hole				

HOLE No.: MIS101-MR-124

METRES from	METRES to	DESCRIPTION	SAMPLE No.:	METRES from	METRES to	LENGTH						
0	3.5	OVERBURDEN										
3.5	105.3	BASEMENT COMPLEX										
		3.5 - 38.1 - Medium to coarse-grained, orange, pink, white, green granite. - Locally sheared and broken. - Minor veining 3.5 - 20.5 - predominantly green and white section. 20.5 - 38.1 - orange and white section.										
		38.1 - 45.2 - Fine-grained, nonmagnetic, mafic dyke. - 1 to 2% effervescent carbonate spots. - Numerous quartz veinlets, locally vuggy. - Scattered rusted fracture. - Minor veining up to 6 cm wide. - Upper contact gradual over 2 cm. - Lower contact sharp, 50° to core axis. - Scattered euhedral pyrite, less than 5 cm.										
		45.2 - 60.8 - Orange, white granite similar to 20.5 - 38.1. - Locally green and white. - Locally fractured and sheared with minor gritty gauge.										
		60.8 - 102.0 - Predominantly green granite. - Locally 90 to 100% chlorite and sericite with scattered dark orange-red granite fragments. 81.9 - 82.3 - transluscent white and orange quartz vein										

HOLE No.: MIS101-MR-124

METRES from	METRES to	DESCRIPTION	SAMPLE No.:	METRES from	METRES to	LENGTH	Au g/t	Au g/t				
		102.0 - 105.3 - quartz veining. - occasional sericitized wallrock fragment. - fractured with trace hematite.	1041 1042 1043	102 103 104	103 104 105.3	1.0 1.0 1.3	0.04 <0.01 0.01	0.02				
		105.3 - Major contact, faulted with gouge.										
105.3	129.1	SEDIMENTS - CAPE SPENCER FORMATION										
		105.3 - 113.3 - Very fine to fine-grained, purple, platy, fissile shale. - First 2 m sheared and faulted with gauge seams up to 5 cm thick. - Moderately carbonatized, locally effervescent. - Locally well foliated, distorted and crenulated.										
		109.7 - Foliation 71° to core axis.										
		112 - 113.3 - Several 1 to 3 inch white and orange quartz veins. - Scattered wisp of yellow-brown sericite.	1044	112	113.3	1.3	0.01					
		113.3 - Contact faulted.										
		113.3 - 114.0 - Purple conglomerate with elongated white quartz fragments.										
		114.0 - 120.3 - Purple shale, similar to 105.3 - 113.3.										
		120.3 - 123.6 - Conglomerate, similar to 113.3 - 114.0. - Upper contact, sharp, faulted 52° to core axis.										

HOLE No.: MIS101-MR-124

METRES from	METRES to	DESCRIPTION	SAMPLE No.:	METRES from	METRES to	LENGTH	Au g/t					
		- Upper contact, sharp, faulted, 52° to core axis. - Lower contact, sharp, faulted, 60° to core axis.										
		123.6 - 129.1 - Shale, similar to 105.3 - 113.3. - Scattered quartz seams and boudins. - Scattered wisp/seam sericite. - Trace pyrite seams draped around quartz boudins/fragments?	1045	125.7	126.7	1.0	0.01					
		129.1 - Contact, sharp, 74° to core axis.										
129.1	132.3	BASEMENT COMPLEX										
		129.1 - 130.3 - Fine-grained, green, blue-grey, poor, moderately foliated mafic dyke. - Scattered quartz seams. - Scattered rusted fractures with minor gritty gauge.										
132.3		End of hole - casing pulled. - samples 1041 to 1045.										

MISPEC RESOURCES LTD.

Page: 1
Hole No.: MR-144

DIAMOND DRILL RECORD

Property: MISPEC RESOURCES

Co-ords: -75.0 N -25.0 E
GRID 1
Azimuth: -1
Dip: -90
Elevation: 114.00L.
Length: 148.70
Purpose: TO TEST THE PLUNGE OF THE ROAD ZONE

Contractor: LONGYEAR
Core Size: NQ

Date Started: NOV 23, 1988
Date Completed: NOV 26, 1988
Logged by: B.J. McKAY
Date Logged: NOV 25-27, 198

Acid Dip Tests

61.00	-87.0
122.00	-80.0

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
.00	3.70	OVERBURDEN					
3.70	72.00	BASEMENT COMPLEX					
	3.70 72.00	Granite. Fine to medium grained. White and white orange siliceous phenocrysts in a dark green sericitic and chloritic groundmass. Moderate sericite, chlorite and carbonate alteration. Difficult drilling. Locally fractured and occasionally sheared. Scattered quartz calcite veinlets.					
	34.10 34.80	Mafic Dyke. Green. Chlorite. Slightly effervescent. Upper contact at 34 degrees to the core axis. Lower contact at 50 degrees to the core axis.					
	49.00 49.70	Mafic Porphyritic Dyke. Fine grained, dark green, silicified with scattered quartz phenocrysts. Upper contact is irregular. Lower contact is sharp at 67 degrees to the core axis.					
	58.90 59.90	Similar to 49.0 to 49.7. Upper contact at 58 degrees to the core axis. Lower contact at 80 degrees to the core axis.					

MISPEC RESOURCES LTD. Page: 2
HOLE NO.: MR-144

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
72.00	148.70	SEDIMENTS:CAPE SPENCER FORMATION					
	72.00 106.00	Shale. Fine grained. Black. Well foliated. Crenulated and folded and distorted throughout. Foliation enhanced by quartz seams. Alteration sections as noted.					
	73.40 75.10	Intensely sericitized section with minor veining. Trace to 3% euhedral and disseminated pyrite	1306	73.40	74.30	.90	.47
			1307	74.30	75.10	.80	.42
	79.80 80.00	Intensely sericitized with minor veining.					
	86.20 86.30	Sheared and broken.					
	94.70 96.50	Section with four 10 to 40 cm segments of moderately to intensely sericitized material. Minor veining. Trace to 2% pyrite confined to lowest 40cm segment.					
	98.70 100.30	Intensely sericitized with a 35 cm quartz vein at lower end of section. Minor veining elsewhere. 1 to 3% disseminated and euhedral pyrite. Sheared lower contact.	1308	98.70	99.50	.80	.67
			1309	99.50	100.30	.80	1.04
	104.40 105.60	Moderately sericitized section with minor veining and a trace of pyrite.					
	106.00 113.90	Siltstone- Pond Zone. Fine to very fine grained intensely altered sediment with original textures preserved. Intense sericite and moderate carbonate alteration. Extensive quartz-carbonate as large veins and irregular knots and seams. Variable amounts of pyrite. Distribution of wallrock, veining and pyrite is detailed in the following descriptions. Lower contact is sharp at 80 degrees to the core axis.					
	106.00 106.10	Section of moderate alteration at edge of intense alteration. Upper contact is sharp at 76 degrees to the core axis.					

MISPEC RESOURCES LTD. Page: 3
HOLE NO.: MR-144

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
106.10	107.10	80% green sericitized material, locally grey brown. Well foliation. Trace to 2% euhedral and disseminated pyrite. 20% quartz-carbonate locally as narrow pymatically folded seams.	1277	106.10	107.10	1.00	1.26
107.10	108.10	90% quartz-carbonate, 10% sericite material as distorted fragments and irregular wisps. 1 to 2 euhedral and disseminated pyrite.	1278	107.10	108.10	1.00	.75
108.10	109.10	90 to 95 quartz-carbonate with minor chlorite in fractures. Scattered euhedral pyrite. 5 to 10% sericite material. Locally sheared with minor clayey gouge.	1279	108.10	109.10	1.00	1.05
109.10	110.10	60% sericite material with trace to 3% pyrite. Includes a 10 cm grey brown subunit with elongated chlorite ? blebs. 40% quartz-carbonate with minor chlorite.	1280	109.10	110.10	1.00	1.34
110.10	111.10	20% quartz-carbonate, 30% sericite material. Trace to 1% disseminated and euhedral pyrite.	1281	110.10	111.10	1.00	.48
111.10	112.10	60% quartz-carbonate, 40% sericite material. Trace to 1% euhedral and disseminated pyrite. Well preserved pygmatic folding.	1282	111.10	112.10	1.00	2.05
112.10	113.10	80% quartz-carbonate, 20% sericite material. 1 to 4 euhedral and disseminated pyrite (up to 4 mm).	1283	112.10	113.10	1.00	.91
113.10	113.90	80% sericite material grading into grey brown in lower 25 cm. Trace to 3% euhedral and disseminated pyrite. 20% quartz-carbonate concentrated in upper 65 cm and occurring as fracture fillings in lower 25 cm.	1284	113.10	113.90	.80	.04
113.90	124.50	Shale. Fine grained. Black. Moderately to well foliated with variable amounts of deformation from slight					

MISPEC RESOURCES LTD. Page: 4
HOLE NO.: MR-144

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		crenulations to folding and major faulting. Foliation is enhanced by quartz seams and is locally pygmatically folded. Minor quartz-carbonate as irregular veins and knots.					
115.30	116.40	Fault Zone. Locally 100% grey and black, clayey gouge up to 15 cm wide. Minor shearing with gouge below fault. Foliation at 68 degrees to the core axis. Lower contact is sheared at 65 degrees to the core axis with gouge.					
124.50	145.20	Siltstone. Fine grained. Green. Intensely altered. Intense sericite. Weak carbonate alteration. Altered material as irregular distorted fragments with few sericitic sections longer than 20 cm. Extensive quartz - carbonate veining, fractured with occasional minor chlorite fracture fillings. Trace to 4% euhedral and disseminated pyrite. Wallrock , and sulfide distribution as noted in the following 1m descriptions.	1285	124.50	125.50	1.00	.25
124.50	125.50	25 cm quartz vein with sheared sericitized fragments. Brown sericitic material in fractures. Scattered euhedral pyrite up to 5 mm across. 75 cm of sericitic material. Trace to 2% disseminated and euhedral pyrite.					
125.50	126.50	60% quartz-carbonate, 40% sericitic material, locally sheared. 2 to 3 euhedral pyrite up to 5 mm.	1286	125.50	126.50	1.00	1.18
126.50	127.50	70% sericitic material with one 40 cm segment. Trace to 2% euhedral pyrite. 30% quartz-carbonate.	1287	126.50	127.50	1.00	1.56

MISPEC RESOURCES LTD. Page: 5
HOLE NO.: MR-144

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
127.50	128.50	50% quartz-carbonate concentrated in the upper 20 cm. 20% green sericite material in first 20 cm. 2 to 3 euhedral and disseminated pyrite. 30 cm dark blue green sericite and chloritic segment. Trace pyrite.	1288	127.50	128.50	1.00	.36
128.50	129.50	20 cm of above 30 cm segment. Trace to 1% disseminated pyrite. 80 quartz-carbonate with occasional distorted sericitic fragments. Trace to 2% pyrite.	1289	128.50	129.50	1.00	.86
129.50	130.50	80% quartz-carbonate, fractured with chloritic fracture fillings. Occasional irregular chlorite up to 2 cm across. 20% green sericitic material. 1 to 4 euhedral and nodular pyrite up to 1 cm across.	1290	129.50	130.50	1.00	1.74
130.50	131.50	65% quartz-carbonate, 30% sericitic material. Trace to 2% euhedral and disseminated pyrite up to 7 mm across.	1291	130.50	131.50	1.00	.59
131.50	132.50	20 cm of sericitic material with 30% quartz-carbonate and minor chlorite. 1 to 3 euhedral and disseminated pyrite. Preserved microfolds. 30 cm blue green interbed. Sharp lower contact at 67 degrees to the core axis.	1292	131.50	132.50	1.00	2.58
132.50	133.50	90% green and black sericitic material with chlorite spots up to 1 mm wide. Trace to 2% disseminated pyrite. Scattered euhedral pyrite confined to the edges of translucent quartz seams. 10% quartz-carbonate.	1293	132.50	133.50	1.00	.25
133.50	134.50	70% sericitic material. 2 to 3 disseminated and euhedral pyrite. 30% quartz-carbonate with minor chlorite.	1294	133.50	134.50	1.00	2.55
134.50	135.50	60% quartz-carbonate, 40% sericitic material, locally brown white. Several seams of	1295	134.50	135.50	1.00	.81

MISPEC RESOURCES LTD. Page: 6
HOLE NO.: MR-144

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		dark green chlorite. Trace to 2% disseminated, euhedral, nodular pyrite. Occasional pinched quartz pyrite seam.					
135.50	136.50	85% quartz with sheared wisps of sericitic material. 15% sericitic material with minor chlorite. 1 to 2 euhedral and disseminated pyrite. Scattered nodules up to 8 mm and seams.	1296	135.50	136.50	1.00	2.13
136.50	137.50	50% quartz-carbonate, 50% sericitic material with rusted seams and scattered irregular red-brown, brecciated fragments. Trace to 1% disseminated pyrite.	1297	136.50	137.50	1.00	.20
137.50	138.50	70 cm of above rusted green sericitic material with scattered pyrite. 30 cm quartz-carbonate. Locally sheared with gouge.	1298	137.50	138.50	1.00	1.12
138.50	139.50	60% sericitic material, locally red-brown. Trace to 3% euhedral and disseminated pyrite. 40% quartz-carbonate.	1299	138.50	139.50	1.00	2.36
139.50	140.50	60% quartz-carbonate, locally sheared. 40% sericitic material, locally red-brown. Trace pyrite.	1300	139.50	140.50	1.00	.55
140.50	141.50	90% quartz-carbonate, locally sheared. 10% sericitic material as distorted fragments, locally red-brown. Trace to 1% disseminated pyrite.	1301	140.50	141.50	1.00	.52
141.50	142.50	90% quartz-carbonate, 10% sericitic material. Scattered pyrite.	1302	141.50	142.50	1.00	.12
142.50	143.50	80% quartz-carbonate, 20% distorted sericitic material. Locally sheared. Trace to 1% disseminated and euhedral pyrite.	1303	142.50	143.50	1.00	tr
143.50	144.50	90% quartz-carbonate, 10% distorted sericitic material. Locally sheared. Trace pyrite.	1304	143.50	144.50	1.00	.16
144.50	145.20	Continuation of the above with a 10cm section of sericitic material at lower	1305	144.50	145.50	1.00	.15

MISPEC RESOURCES LTD. Page: 7
HOLE NO.: MR-144

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		end of sample. Lower contact contact is sheared at 66 degrees to the core axis with 1 cm of rusted red gritty gouge.					
	145.20	145.80 Conglomerate. Fine grained. Purple, black, shaley matrix. Scattered elongated siliceous pebbles.					
	145.80	148.70 Shale. Fine grained. Black, purple. Well foliated. Locally sheared enhanced with seams of white and orange quartz-carbonate.					
	148.7	Eoh.					

MISPEC RESOURCES LTD.

Page: 1

Co-ords: -75.0 N -25.0 E
GRID 1

Hole No.: MR-145

Azimuth: 313

DIAMOND DRILL RECORD

Property: MISPEC RESOURCES

Dip: -70

Contractor: LONGYEAR

Elevation: 114.00L.

Core Size: NQ

Date Started: NOV 26, 1988
Date Completed: NOV 27, 1988
Logged by: B.J.

Length: 100.00

Date Logged: NOV 27-28, 198

Purpose: TO TEST PLUNGE EXTENSION OF ROAD ZONE- SPOTTED BY H.McNAMARA

Acid Dip Tests

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
.00	1.80	OVERBURDEN					
1.80	77.50	BASEMENT COMPLEX					
	1.80 77.50	Granite. Fine to medium grained with white and orange siliceous phenocrysts in a sericitic and chloritic groundmass. Moderately sericitic and chloritic with chlorite alteration decreasing below 63m. Weak carbonate alteration. Fractured throughout, locally rusted with minor gouge in some shears. Minor veining. Lower contact at 42 degrees to the core axis.					
	1.80 6.00	Broken and rusted.					
	23.60 25.30	Mafic Porphyritic Dyke. Fine grained. Blue green, blue-grey. Scattered siliceous phenocrysts. Scattered quartz - carbonate veinlets, slightly effervescent. Sharp upper contact at 63 degrees to the core axis. Sharp lower contact at 65 degrees to the core axis.					
	27.20 27.40	Fault. Broken, rusted with red-brown gouge.					
	39.40 39.90	5 cm quartz vein exhibiting selective replacement of					

MISPEC RESOURCES LTD. Page: 2
HOLE NO.: MR-145

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		carbonate by chlorite (i.e pseudomorphs of chlorite after quartz and carbonate).					
		41.80 42.10 Fault Zone. 3 cm of gritty gouge at edge of a 2cm vuggy quartz vein.					
		52.20 52.90 Mafic Dyke. Dark green and chloritic.					
		53.80 54.50 Mafic Dyke. Dark green and chloritic.					
		59.10 59.25 Mafic Porphyritic dyklet. Blue green with scattered siliceous phenocrysts.					
		60.95 62.00 Mafic Porphyritic dyklet. Similar to 59.1 to 59.25m.					
77.50	100.00	SEDIMENTS:CAPE SPENCER FORMATION					
		77.50 84.10 Siltstone. Fine grained. Green, yellow-green. Intensely sericitized. Weak to moderate carbonate alteration. Moderately to well developed locally distorted foliation. Sericitic material also as distorted fragments in veins. Extensive quartz-carbonate as large veins, irregular knots, seams and veinlets. Trace to 3% euhedral and disseminated pyrite. Trace specular hematite. Distribution of quartz-carbonate, sericitic material and sulfides as noted in the following brief 1m descriptions.	1310	77.50	78.50	1.00	.53
		77.50 78.50 80 sericitic material with chlorite spots. 20% quartz-carbonate. Trace to 1% euhedral pyrite concentrated at upper edge of a 10 cm vein at lower end of sample.					
		78.50 79.50 50% quartz-carbonate, 50% sericitic material. 1 to 3 euhedral and disseminated pyrite	1311	78.50	79.50	1.00	1.15
		79.50 80.50 50% quartz-carbonate, 50% sericitic material with 1 to 3 euhedral and disseminated pyrite	1312	79.50	80.50	1.00	.64
		80.50 81.50 60 sericitic material, 40% quartz-carbonate with trace to	1313	80.50	81.50	1.00	.14

MISPEC RESOURCES LTD. Page: 3
HOLE NO.: MR-145

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		3% euhedral and disseminated pyrite. Fractured with a trace of specular hematite in fractures.					
81.50	82.50	50% quartz-carbonate, 50% sericitic material with chloritic spots. Trace to 3% euhedral and disseminated pyrite	1314	81.50	82.50	1.00	1.92
82.50	83.50	70% sericitic material, 30% quartz-carbonate with trace to 2% euhedral and disseminated pyrite and trace specular hematite in fractures and mixed with euhedral pyrite at vein edges (83.35m).	1315	82.50	83.50	1.00	1.67
83.50	84.50	30 cm of 50 : 50 material from above with 2% euhedral pyrite. 30 cm green , green, brown white, variably altered sericitic material. Trace to 1% pyrite decreasing with depth. Local shear zone with minor gouge at 83.8m. Lower contact is gradual over several cm and trending at 54 degrees to the core axis.	1316	83.50	84.10	.60	.46
84.10	90.00	Shale. Fine grained. Black. Well foliated. Numerous seams and irregular knots of quartz-carbonate. Locally moderately to intensely sericitized sections up to 70 cm thick. Unit is locally broken and sheared.	1317	88.10	88.80	.70	.09
90.00	100.00	Siltstone- Road Zone. Intensely altered section similar to 77.5-84.1m.	1318	90.00	91.00	1.00	1.91
90.00	91.00	60% quartz-carbonate, 40% sericitic material with 2 to 4 euhedral pyrite up to 3 by 5 mm.					
91.00	92.00	Similar to the above with a 10 cm segment of sericitic material with chloritic spots. Scattered euhedral pyrite up to 3 by 3 mm.	1319	91.00	92.00	1.00	2.80
92.00	93.00	70% quartz-carbonate, 30% sericitic material with scattered chloritic spots and seams. Trace to 3% euhedral, disseminated and nodular pyrite	1320	92.00	93.00	1.00	3.84

MISPEC RESOURCES LTD. Page: 4
HOLE NO.: MR-145

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		up to 8 mm across.					
93.00	94.00	80% sericitic material, locally moderately sericitized. Trace to 2% pyrite concentrated in intensely altered variety. 20% quartz-carbonate. Fractured sericitic fragments with chloritic fracture fillings.	1321	93.00	94.00	1.00	.69
94.00	95.00	70% sericitic material including a 40cm segment of moderately to intensely altered, brown white, gritty sediment. Trace to 2% euhedral and disseminated pyrite concentrated in fragments in veins. 30% quartz-carbonate with chlorite rimmed 1 to 2 mm fragments.	1322	94.00	95.00	1.00	.86
95.00	96.00	95% moderately sericitic material with chloritic spots. Trace to 2% euhedral and disseminated pyrite up to 2 mm. 5% quartz-carbonate.	1323	95.00	96.00	1.00	.09
96.00	97.00	75% intensely sericitized material with 1 to 3 euhedral and disseminated pyrite up to 3 by 3 mm across. 25% quartz-carbonate.	1324	96.00	97.00	1.00	.61
97.00	98.00	80% quartz-carbonate, 20% intensely sericitized material. 2 to 4% euhedral and disseminated pyrite. Scattered minute seams of chlorite.	1325	97.00	98.00	1.00	1.26
98.00	99.00	95% moderately to intensely sericitized material. Predominantly intensely altered with trace to 3% disseminated pyrite.	1326	98.00	99.00	1.00	.22
99.00	100.00	85% quartz - carbonate veining, 15% intensely sericitized material with trace to 2% pyrite.	1327	99.00	100.00	1.00	.46
100.0	Eoh.						

MISPEC RESOURCES LTD.

Page: 1

Co-ords: -108.0 N .0 E
GRID 1
Azimuth: -1
Dip: -90
Elevation: 120.00L.
Length: 145.70

DIAMOND DRILL RECORD

Contractor: LONGYEAR
Core Size: NQ

Hole No.: MR-146
Property: MISPEC RESOURCES
Date Started: NOV 28, 1988
Date Completed: NOV 30, 1988
Logged by: B.J. McKAY
Date Logged: NOV 30-DEC 1, 19

Purpose: TO TEST PLUNGE OF ROAD ZONE- SPOTTED BY H.McNAMARA

Acid Dip Tests

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
.00	3.50	OVERBURDEN					
3.50	61.00	BASEMENT COMPLEX					
		3.50 19.20 Granite. Medium grained. Blue green, blue-grey, white, light orange white. Moderate carbonate, chlorite alteration. Weak to moderate sericite alteration. Hard drilling reported by drillers. Locally fractured and occasionally rusted.					
		3.50 5.20 Broken, rusted and sheared.					
		19.20 31.30 Granite. Fine to medium grained. Light green, white, blue-grey. Moderate carbonate and sericite alteration. Weak chlorite alteration. Hard drilling reported by drillers. Fractured and locally rusted. Minor veining up to 3 cm wide. Scattered rusted spots.					
		31.30 61.00 Granite. Medium grained. Blue green, blue-grey, green, white. Locally fractured. Moderately sericitized and carbonatized. Weak to moderate chlorite alteration. Hard drilling reported by drillers. Lower contact at 73 degrees to the					

MISPEC RESOURCES LTD. Page: 2
HOLE NO.: MR-146

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		core axis.					
	34.30 34.90	Mafic Dyke. Fine grained. Blue-grey, grey brown. Upper contact is irregular. Lower contact at 48 degrees to the core axis.					
	40.90 50.35	Mafic Dyke. Fine grained. Dark green. Scattered quartz veinlets. Upper contact at 25 degrees to the core axis. Lower contact at 53 degrees to the core axis.					
	56.60 56.80	Fault Zone. 2 cm of gritty gouge					
61.00	145.70	SEDIMENTS:CAPE SPENCER FORMATION					
	61.00 102.00	Shale. Fine grained. Purple. Well foliated. Foliation is enhanced by quartz seams. Foliation locally folded and distorted. Locally broken and sheared. Quartz seams. Locally orange white (particularly 69-78m). Quartz seams are pygmatically folded. Foliation at 79 degrees to the core axis.					
	93.90 103.60	Fault Zone. Broken throughout with largest affected piece only 30cm long. Average recovered core length is 5-10 cm. Sheared throughout, locally faulted with clayey and gritty gouge up to 5 cm thick. Gouge is grey, purple and black above contact and red, white and green below the contact at 102.0 meters.					
	102.00 136.20	Siltstone-Road Zone. Fine grained. Green, yellow-green. Intensely sericitized with extensive quartz-carbonate as large veins, knots and seams. Locally up to 99% quartz-carbonate. Sericitized material predominantly as distorted fragments and wisps. Fractured throughout and locally sheared with minor gouge. Trace to 3% euhedral and disseminated	1328	102.00	103.00	1.00	.15

MISPEC RESOURCES LTD. Page: 3
HOLE NO.: MR-146

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		pyrite. Trace chalcopyrite as scattered minute smears up to 3 to 5 mm across on shear planes. Scattered specular hematite. Distribution of quartz-carbonate, sericitic material and sulfides as noted in the following 1 m descriptions.					
102.00	103.00	95% broken and fractured quartz-carbonate. Minor red clayey gouge as mentioned above. Minor chlorite in fractures. 5% sericitic material, locally brown white and sheared.					
103.00	104.00	95% quartz-carbonate. First 60 cm continued from above. 5% sericitic material similar to the above in first 60cm changing to fine to medium grained and blue-grey in lower 40 cm.	1329	103.00	104.00	1.00	.08
103.50	103.60	Healed breccia zone with rounded white siliceous fragments in a red white gritty siliceous matrix.					
104.00	105.00	90% quartz-carbonate, 10% medium grained. Moderately sericitic.	1330	104.00	105.00	1.00	.03
105.00	106.00	60% quartz-carbonate, 40% moderately sericitized material. Trace specular hematite at 105.3 meters.	1331	105.00	106.00	1.00	.29
106.00	107.00	70% moderately sericitized material, 30% quartz-carbonate. Medium grained.	1332	106.00	107.00	1.00	.04
107.00	108.00	65% quartz-carbonate with minor chlorite in fractures. 35% sericitic material both fine grained, yellow and intensely altered and coarse grained, medium grained and green. Trace to 2% euhedral pyrite concentrated in yellow variety with scattered specks of fuchsite? material.	1333	107.00	108.00	1.00	.77
108.00	109.00	90% quartz-carbonate, 10% sericitic material with 1 to	1334	108.00	109.00	1.00	.85

MISPEC RESOURCES LTD.

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		2 euhedral pyrite.					
109.00	110.00	95% quartz-carbonate with minor chlorite and 5% sericitic material. Scattered euhedral pyrite up to 8 mm across.	1335	109.00	110.00	1.00	.04
110.00	111.00	90% quartz-carbonate, 10% sericitic material. Pyrite occurs as irregular 2 to 3 cm fractured nodules with chlorite and specular hematite matrix ?.	1336	110.00	111.00	1.00	.30
111.00	112.00	85% quartz-carbonate, 15% sericitic material. Brown white and blue-grey with a trace disseminated pyrite.	1337	111.00	112.00	1.00	.06
112.00	113.00	80% quartz-carbonate and 20% sericitic material with a trace of pyrite.	1338	112.00	113.00	1.00	.11
113.00	114.00	70% quartz-carbonate, 30% sericitic material with a trace of pyrite.	1343	113.00	114.00	1.00	.54
114.00	115.00	60% quartz-carbonate, 40% sericitic material. Scattered rusted spots. Trace pyrite.	1344	114.00	115.00	1.00	.08
115.00	116.00	70% quartz-carbonate, 30% sericitic material. Trace to 2% euhedral pyrite up to 4 mm across. Trace chalcopyrite.	1345	115.00	116.00	1.00	.14
116.00	117.00	Same as 115.0 to 116.0.	1346	116.00	117.00	1.00	.05
117.00	118.00	60% sericitic material. Green and blue-grey with chlorite spots. Trace to 1% disseminated pyrite. 40% quartz-carbonate.	1339	117.00	118.00	1.00	2.10
118.00	119.00	70% blue green sericitic material with a trace of pyrite. 30% quartz-carbonate.	1340	118.00	119.00	1.00	.20
119.00	120.00	70% sericitic material, 30% quartz-carbonate. Trace to 2% disseminated and euhedral pyrite up to 5 mm across.	1341	119.00	120.00	1.00	.19
120.00	121.00	60% sericitic material, 40% quartz-carbonate. Trace to 3% disseminated, euhedral and nodular pyrite up to 8 mm across.	1342	120.00	121.00	1.00	4.01
121.00	122.00	65% sericitic material with trace to 2% disseminated, euhedral and nodular pyrite.	1347	121.00	122.00	1.00	1.47

MISPEC RESOURCES LTD. Page: 5
HOLE NO.: MR-146

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		Trace chalcopyrite. 35% quartz-carbonate. Fractured with minor chloritic filler.					
122.00	123.00	80% quartz-carbonate, 20% blue green sericitic material with scattered pyrite.	1348	122.00	123.00	1.00	.07
123.00	124.00	85% quartz-carbonate, 15% green and blue green sericitic material. Trace to 3% disseminated and euhedral pyrite concentrated in green variety.	1349	123.00	124.00	1.00	.98
124.00	125.00	70% quartz-carbonate, 30% sericitic material. Locally brown white with scattered rusted spots. Trace to 1% disseminated and euhedral pyrite. Trace chalcopyrite.	1350	124.00	125.00	1.00	.40
125.00	126.00	90% quartz-carbonate, 10% sericitic material. Sheared. Numerous rusted spots and fractures. Trace to 1% pyrite	1351	125.00	126.00	1.00	.12
126.00	127.00	99% quartz-carbonate. Fractured with minor rust. 19% sericitic material with a trace of pyrite.	1352	126.00	127.00	1.00	.02
127.00	128.00	95% quartz-carbonate, 5% sericitic material. Yellow-green. Locally rusted. Trace pyrite.	1353	127.00	128.00	1.00	.14
128.00	129.00	75% sericitic material. Locally brown white. Trace to 2% disseminated and euhedral pyrite. 25% quartz-carbonate.	1354	128.00	129.00	1.00	.26
129.00	130.00	80% sericitic material with trace to 2% disseminated and euhedral pyrite. 20% quartz-carbonate.	1355	129.00	130.00	1.00	.13
130.00	131.00	75% sericitic material with trace to 1% euhedral and disseminated pyrite. 25% quartz-carbonate.	1356	130.00	131.00	1.00	.17
131.00	132.00	80% sericitic material, locally brown white with occasional chlorite seams. Locally sheared. Trace to 1% disseminated and euhedral pyrite. 20% quartz-carbonate.	1357	131.00	132.00	1.00	.23
132.00	133.00	75% sericitic material similar to the above. 25%	1358	132.00	133.00	1.00	.23

MISPEC RESOURCES LTD. Page: 6
HOLE NO.: MR-146

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		quartz-carbonate.					
133.00	134.00	50% sericitic material, very fine grained with a trace of pyrite. 50% quartz-carbonate.	1359	133.00	134.00	1.00	1.61
134.00	135.00	85% sericitic material with a trace of pyrite. 15% quartz-carbonate.	1360	134.00	135.00	1.00	.09
135.00	136.20	80% sericitic material. Locally brown white. Locally sheared. Trace pyrite. 20% quartz veining, fractured and rusted. Lower contact at 53 degrees to the core axis.	1361	135.00	136.00	1.00	.63
136.20	145.70	Shale. Fine grained. Black. Moderately to well foliated. Foliation is enhanced by white and orange quartz seams and locally pygmatically folded. Locally broken and sheared. Occasional quartz - carbonate veins up to 15 cm wide with altered fragments and edges. Veins are vuggy and rusted.					
145.7 Eoh.							

MISPEC RESOURCES LTD.

Page: 1

Co-ords: -60.0 N -17.0 E
GRID 1

Hole No.: MR-147

Azimuth: 336

DIAMOND DRILL RECORD

Property: MISPEC RESOURCES

Dip: -60

Contractor: LONGYEAR

Date Started: DEC 1, 1988

Elevation: .00L.

Core Size: NQ

Date Completed: DEC 3, 1988

Logged by: B.J.MCKAY

Length: 112.20

Date Logged: DEC 3-4, 1988

Purpose: TO TEST THE EXTENT OF MINERALIZATION IN ROAD ZONE

Acid Dip Tests

61.00	-62.0
112.20	-45.0

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
.00	2.40	OVERBURDEN					
2.40	69.50	BASEMENT COMPLEX					
	2.40 37.10	Granite. Medium to coarse grained. Orange white siliceous phenocrysts in a green blue green sericitic and chloritic groundmass. Moderate to intense sericite alteration. Moderate chlorite alteration. Weak to moderate carbonate. Fractured throughout and locally rusted.					
	2.40 11.50	Broken, sheared and rusted.					
	21.90 23.70	Mafic Porphyry Dyke. Upper contact at 68 degrees to the core axis. Lower contact at 48 degrees to the core axis.					
	31.20 37.10	Veined section with moderately to intensely sericitized granite and carbonatized dyke. Trace to 2% euhedral and disseminated pyrite.	1362	31.20	31.80	.60	.21
			1363	31.80	32.80	1.00	.19
			1364	32.80	33.60	.80	.26
			1365	33.60	34.50	.90	.11
	34.50 35.90	Mafic Porphyry Dyke. Carbonatized. Minor quartz veining. Trace to 1% disseminated pyrite.	1366	34.50	35.90	1.40	.07
			1372	35.90	37.10	1.20	.15
	37.10 69.50	Granite. Similar to the above. Predominantly green, grey-green, white. Moderately sericitized and carbonatized.					

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HOLE NO.: MR-147

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		Weakly to moderately chloritized					
69.50	112.20	SEDIMENTS:CAPE SPENCER FORMATION					
		59.40 62.00 Mafic Porphyry Dyke. 69.50 70.50 85% sericitic material, locally sheared. 15% quartz-carbonate.					
			1367	69.50	70.50	1.00	.74
		69.50 90.20 Siltstone- Road Zone. Fine grained. Green, yellow-green, brown white. Occasional interbed of black gritstone and shale. The unit is intensely sericitized. Weak to moderate carbonate alteration. Foliation is well developed and locally distorted. Extensive quartz - carbonate veining. Trace to 2% euhedral and disseminated pyrite. Trace to 1% specular hematite. Distribution of veining, wallrock and sulfides as noted in 1m descriptions.					
		70.50 71.50 80% sericitic material with trace to 1% euhedral and disseminated pyrite. 20% quartz-carbonate.	1368	70.50	71.50	1.00	1.64
		71.50 72.50 30 cm black, unaltered gritstone. 70 cm of 50% quartz-carbonate and 50% sericitic material. 1 to 2 disseminated and euhedral pyrite	1369	71.50	72.50	1.00	1.13
		72.50 73.50 80% sericitic material, locally brown white. 1 to 3 disseminated and euhedral pyrite. 20% quartz-carbonate.	1370	72.50	73.50	1.00	1.38
		73.50 74.50 80% sericitic material, locally brown white. Trace to 3% disseminated and euhedral pyrite. 20% quartz-carbonate.	1371	73.50	74.50	1.00	.67
		74.50 75.50 50% quartz-carbonate including a 40 cm vein in the center of the sample with irregular masses of specular hematite up to 1 cm across. Trace to 1% specular hematite overall, locally as fracture fillings. 50% sericitic material with 1 to 2 disseminated and euhedral pyrite.	1373	74.50	75.50	1.00	10.35

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HOLE NO.: MR-147

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
75.50	76.50	85% green and brown white sericitic material with trace to 2% euhedral and disseminated pyrite up to 3 mm across. 15% quartz-carbonate.	1374	75.50	76.50	1.00	.76
76.50	77.50	95% brown white and grey gritstone. Weak to moderate sericite alteration with scattered euhedral pyrite. 5% quartz-carbonate.	1375	76.50	77.50	1.00	.50
77.50	78.50	50 cm of intensely sericitized material with trace to 2% disseminated and euhedral pyrite. 50 cm green and grey, weakly to intensely sericitized material. Trace pyrite.	1376	77.50	78.50	1.00	.83
78.50	79.50	40 cm grey and green material continued from above. 60 cm black unaltered gritstone. Foliation at 62 degrees to the core axis.	1377	78.50	79.50	1.00	.34
79.50	80.50	20 cm black gritstone/shale. 80 cm of 60% brown white to green sericitic material with trace to 2% disseminated pyrite and 40% quartz-carbonate. Lower 1 cm is broken and fractured with seams of clayey gouge.	1378	79.50	80.50	1.00	.78
80.50	81.50	90% quartz-carbonate, 10% intensely sericitized material. 1 to 2 disseminated and euhedral pyrite. Scattered irregular masses of chlorite.	1379	80.50	81.50	1.00	1.72
81.50	82.50	75% quartz-carbonate, 25% intensely sericitized material. 2 to 3 euhedral and disseminated pyrite.	1380	81.50	82.50	1.00	.72
82.50	83.50	80% grey and green, moderately to intensely sericitized material. Trace to 2% euhedral and disseminated pyrite. 20% quartz-carbonate.	1381	82.50	83.50	1.00	.64
83.50	84.50	70% quartz-carbonate, 30% sericitic material. 1 to 3 euhedral and disseminated pyrite	1382	83.50	84.50	1.00	.67
84.50	85.50	Similar to the above, locally sheared.	1383	84.50	85.50	1.00	.72
85.50	86.50	Similar to the above. Euhedral pyrite up to 4 mm across.	1384	85.50	86.50	1.00	3.52
86.50	87.50	20 cm brown white moderately	1385	86.50	87.50	1.00	1.34

MISPEC RESOURCES LTD. Page: 4
HOLE NO.: MR-147

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		sericitized material with chlorite spots. 80 cm of 70% intensely sericitized material with trace to 2% disseminated and euhedral pyrite and 30% quartz-carbonate.					
87.50	88.50	50% quartz-carbonate, 50% intensely sericitized material. Trace to 2% disseminated and euhedral pyrite.	1386	87.50	88.50	1.00	.84
88.50	89.50	60% quartz-carbonate, 40% sericitized material. Trace to 2% disseminated and euhedral pyrite.	1387	88.50	89.50	1.00	.90
89.50	90.20	65% moderately to intensely sericitized brown white to green material with a trace of pyrite. 35% quartz-carbonate. Lower contact at 55 degrees to the core axis.	1388	89.50	90.20	.70	1.06
90.20	112.20	Shale. Fine to very fine grained. Black, locally brown white to grey brown. Locally moderately to intensely sericitized. Moderately to well developed locally distorted foliation. Foliation is enhanced with white and white orange quartz seams. Minor quartz - carbonate veining up to 10 cm across concentrated in altered sections and with rims of intensely altered wallrock. Veins with rusted chloritic and specular hematite fractures. The unit is sheared throughout and locally faulted with numerous gritty and clayey gouge seams up to 10 cm wide. Foliation at 57 degrees to the core axis.					
97.50	97.90	Fault Zone with a large gouge seam.					
107.00	107.40	4 cm quartz vein with irregular masses of specular hematite 1 cm across.					
107.70	109.10	Fault/Shear Zone with brecciated quartz veins, clayey matrix and seams of					

MISPEC RESOURCES LTD.

HOLE NO.: MR-147

from (m)	to (m)	----------Description----------	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		gouge up to 4 cm wide.					
		112.2 Eoh.					

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Co-ords: -250.0 N .0 E
GRID 1
Azimuth: 313

DIAMOND DRILL RECORD

Property: MISPEC RESOURCES

Dip: -50

Contractor: LONGYEAR
Core Size: NQ

Date Started: DEC 4, 1988
Date Completed: DEC 7, 1988
Logged by: B.J. McKAY
Date Logged: DEC 8-9, 1988

Elevation: .00L.

Length: 176.20

Purpose: TO FURTHER TEST THE MINERALIZATION ENCOUNTERED IN MR-146

Acid Dip Tests

57.30	-48.0
122.00	-46.0

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
.00	2.50	OVERBURDEN					
2.50	113.30	BASEMENT COMPLEX					
		2.50 71.90 Mafic Dykes and Granite. A series of porphyritic and non-porphyritic, magnetic and non-magnetic chloritic, mafic dykes separated by intervals of granite.					
		2.50 13.10 Mafic porphyritic dyke. Lower contact is broken. Upper 3 meters is broken and locally rusted.					
		13.10 21.10 Granite. Lower contact at 66 degrees to the core axis.					
		21.10 24.10 Mafic porphyritic dyke. Lower contact is broken.					
		24.10 29.20 Granite. Lower contact at 47 degrees to the core axis.					
		29.20 31.90 Mafic non- porphyritic dyke. Lower contact at 43 degrees to the core axis.					
		31.90 33.90 Granite. Contact at 54 degrees to the core axis.					
		33.90 36.25 Mafic dyke. Lower contact at 54 degrees to the core axis.					
		36.25 44.50 Granite.					
		41.50 42.10 Quartz - carbonate vein.	1389	41.50	42.10	.60	.02
		42.50 43.30 Quartz - carbonate vein. Lower contact is a broken shear zone.	1390	42.50	43.30	.80	.01

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
	44.50 48.00	Mafic dyke.					
	48.00 48.90	Granite.					
	48.90 52.00	Mafic dyke.					
	52.00 65.70	Granite.					
	65.70 71.90	Mafic dyke. Lower contact at 76 degrees to the core axis.					
	71.90 99.80	Granite. Medium grained. Dark green, blue green, white. Moderately sericitic, chloritic, carbonatized and silicified. Scattered pyrite and magnetite. Locally fractured					
	82.80 82.90	Magnetite, chlorite, quartz, carbonate, pyrite seam.					
	89.60 90.10	Two 15 cm mafic dyklets.					
	97.60 98.90	Two, 20 and 45 cm mafic dyklets.					
	99.80 113.30	Granite. Fine to medium grained. Light green, red white. Moderately sericitic, carbonatized, silicified. Weakly chloritic. Minor veining. Scattered rusted spots. Lower contact is sharp at 55 degrees to the core axis.					
	111.70 112.70	Mafic Dyke. Magnetic. Upper contact is sheared with gouge.					
113.30	176.20	SEDIMENTS:CAPE SPENCER FORMATION					
	113.30 158.60	Shale. Fine grained. Purple, grey, black. Well foliated, enhanced with orange white quartz carbonate seams locally pygmatically folded. Locally sheared with gouge. Several irregular quartz-carbonate knots and veins up to 15 cm across. Foliation is 55 to 60 degrees to the core axis.					
	114.20 115.20	Granite boulder.					
	158.60 170.40	Siltstone-Pond Zone. Fine to very fine grained. Green, yellow-green, brown white, red-brown, white. Moderately to intensely sericitized. Weakly to moderately carbonatized and chloritized. Moderate quartz veining up to 15 cm across. Trace to 1	1391	158.60	159.60	1.00	.08

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from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		specular hematite. Trace to 2% euhedral and disseminated pyrite. Distribution of sericitic material, quartz-carbonate and sulfides as noted.					
158.60	160.60	80% moderately sericitized material with numerous chlorite spots and seams, fracture fillings and vuggy carbonate vessicles. Trace pyrite. 20% quartz-carbonate.					
159.60	160.60	80% moderately to intensely sericitized material with 15% chlorite spots and seams. Trace to 2% euhedral pyrite as discontinuous seams and along vein edges. 20% quartz-carbonate.	1392	159.60	160.60	1.00	2.16
160.60	161.60	Similar to the above with lesser amounts of pyrite.	1393	160.60	161.60	1.00	.37
161.60	162.60	65% moderately to intensely sericitized material with chlorite spots (2-3%) and seams. Trace to 2% euhedral and disseminated pyrite. 35% quartz-carbonate.	1394	161.60	162.60	1.00	.88
162.60	163.60	80% intensely sericitized material with chlorite spots (3-5%) and seams. Trace to 1% disseminated pyrite. 20% quartz-carbonate.	1395	162.60	163.60	1.00	.14
163.60	164.60	75% intensely sericitized material with chlorite spots (3-5%) and seams. Trace specular hematite. Trace to 1% disseminated pyrite and as fracture fillings. 25% quartz-carbonate.	1396	163.60	164.60	1.00	.40
164.60	165.60	90% moderately to intensely sericitized material. Trace to 1% disseminated pyrite. 10% quartz-carbonate.	1397	164.60	165.60	1.00	.09
165.60	166.60	Similar to the above. Trace specular hematite along edges of veins.	1398	165.60	166.60	1.00	.30
166.60	167.60	90% moderately to intensely sericitized material with chlorite spots (8-10%) and seams. Locally broken and	1399	166.60	167.60	1.00	.01

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from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	AU g/tonne
		rusted. Trace specular hematite. Scattered euhedral pyrite. 5% quartz-carbonate with irregular masses of chlorite.					
167.60	168.60	80% moderately to intensely sericitized material with chlorite spots (3-8%) and seams. 20% quartz-carbonate.	1400	167.60	168.60	1.00	.23
168.60	169.60	85% moderately to intensely sericitized material with chlorite spots (1-8%) and seams. Sheared with minor gouge. Scattered disseminated and euhedral pyrite. 15% quartz-carbonate (pitted and rusted).	1601	168.60	169.60	1.00	4.49
169.60	170.40	97% moderately sericitized material with chlorite spots (15%) and seams. Fractured and sheared. 3% quartz-carbonate.	1602	169.60	170.40	.80	.17
170.40	176.20	Shale. Similar to the above.					
176.2 Eoh.							

MAPS
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CARTES
OMISES